

RECEIVED

OCT 27 2000

TECH CENTER 1600 2000



## SEQUENCE LISTING

<110> Heller, Michael  
<111> Tu, Eugene

<120> Self-Addressable Self-Assembling Microelectronic Systems and Devices for Molecular Biological Analysis and Diagnostics

<130> Nanogen 236/092

<140> 09/128,718

<141> 1998-08-04

<150> 08/725,976

<151> 1996-10-04

<160> 31

<170> PatentIn version 3.0

<210> 1

<211> 23

<212> DNA

<213> synthetic construct

<220>

<221> misc\_feature

<222> (23)..(23)

<223> Sequence is followed by a 3-terminal ribonucleoside uracil

<400> 1

gctagccct gctcatgagt ctc

3

2

<210> 2

<211> 20

<212> DNA

<213> synthetic construct

<220>

<221> misc\_feature

<222> (20)..(20)

<223> Sequence is followed by a 3-terminal ribonucleoside uracil

<400> 2  
aaaaaaaaaaa aaaaaaaaaaa  
0

2

<210> 3  
<211> 33  
<212> DNA  
<213> synthetic construct

<220>  
<221> misc\_feature  
<222> (33)..(33)  
<223> Sequence is followed by a 3-terminal ribonucleoside uracil

<400> 3  
ctacgtggac ctggagagga aggagactgc ctg  
3

3

<210> 4  
<211> 19  
<212> DNA  
<213> synthetic construct

<220>  
<221> misc\_feature  
<222> (19)..(19)  
<223> Sequence is followed by a 3-terminal ribonucleoside uracil

<400> 4  
gagttcagca aatttggag  
9

1

<210> 5  
<211> 19  
<212> DNA  
<213> synthetic construct

<220>  
<221> misc\_feature  
<222> (19)..(19)  
<223> Sequence is followed by a 3-terminal ribonucleoside uracil

<400> 5  
cgtagaactc ctcatctcc 1  
9

<210> 6  
<211> 17  
<212> DNA  
<213> synthetic construct

<220>  
<221> misc\_feature  
<222> (17)..(17)  
<223> Sequence is followed by a 3-terminal ribonucleoside uracil

<400> 6  
gtctccttcc tctccag 1  
7

<210> 7  
<211> 19  
<212> DNA  
<213> synthetic construct

<220>  
<221> misc\_feature  
<222> (19)..(19)  
<223> Sequence is followed by a 3-terminal ribonucleoside uracil

<400> 7  
gatgagcagt tctacgtgg 1  
9

<210> 8  
<211> 17  
<212> DNA  
<213> synthetic construct

<220>  
<221> misc\_feature  
<222> (17)..(17)  
<223> Sequence is followed by a 3-terminal ribonucleoside uracil

<400> 8  
ctggagaaga aggagac  
7

1

<210> 9  
<211> 21  
<212> DNA  
<213> synthetic construct  
  
<220>  
<221> misc\_feature  
<222> (21)..(21)  
<223> Sequence is followed by a 3-terminal ribonucleoside uracil

<400> 9  
ttccacagac ttagatttga c  
1

2

<210> 10  
<211> 19  
<212> DNA  
<213> synthetic construct  
  
<220>  
<221> misc\_feature  
<222> (19)..(19)  
<223> Sequence is followed by a 3-terminal ribonucleoside uracil

<400> 10  
ttccgcagat tttagaagat  
9

1

<210> 11  
<211> 19  
<212> DNA  
<213> synthetic construct  
  
<220>  
<221> misc\_feature  
<222> (19)..(19)

<223> Sequence is followed by a 3-terminal ribonucleoside uracil

<400> 11

tgtttgcctg ttctcagac

1

9

<210> 12

<211> 19

<212> DNA

<213> synthetic construct

<220>

<221> misc\_feature

<222> (19)..(19)

<223> Sequence is followed by a 3-terminal ribonucleoside uracil

<400> 12

catcgctgtg acaaaacat

1

9

<210> 13

<211> 20

<212> DNA

<213> synthetic construct

<220>

<221> misc\_feature

<222> (1)..(1)

<223> "Aminolink2" modified with an amino terminus

<400> 13

tgcgagctgc agtcagacat

2

0

<210> 14

<211> 18

<212> DNA

<213> synthetic construct

<220>

<221> misc\_feature

<222> (1)..(1)  
<223> "Aminolink2" modified with an amino terminus

<400> 14  
gagagactca tgaggcagg  
8

1

<210> 15  
<211> 18  
<212> DNA  
<213> synthetic construct

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> "Aminolink2" modified with an amino terminus

<400> 15  
cctgctcatg agtctctc  
8

1

<210> 16  
<211> 20  
<212> DNA  
<213> synthetic construct

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> "Aminolink2" modified with an amino terminus

<400> 16  
tttttttttt tttttttttt  
0

2

<210> 17  
<211> 33  
<212> DNA  
<213> synthetic construct

<220>

<221> misc\_feature  
<222> (1)..(1)  
<223> "Aminolink2" modified with an amino terminus

<400> 17  
caggcagtct ctttcctctc caggtccacg tag  
3

3

<210> 18  
<211> 19  
<212> DNA  
<213> synthetic construct  
  
<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> "Aminolink2" modified with an amino terminus

<400> 18  
ctccaaattt gctgaactc  
9

1

<210> 19  
<211> 19  
<212> DNA  
<213> synthetic construct  
  
<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> "Aminolink2" modified with an amino terminus

<400> 19  
ggagatgagg agttctacg  
9

1

<210> 20  
<211> 17  
<212> DNA  
<213> synthetic construct

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> "Aminolink2" modified with an amino terminus

<400> 20  
ctggagagga aggagac 1  
7

<210> 21  
<211> 19  
<212> DNA  
<213> synthetic construct

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> "Aminolink2" modified with an amino terminus

<400> 21  
ccacgtagaa ctgctcatc 1  
9

<210> 22  
<211> 17  
<212> DNA  
<213> synthetic construct

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> "Aminolink2" modified with an amino terminus

<400> 22  
gtctccttct tctccag 1  
7

<210> 23  
<211> 21  
<212> DNA  
<213> synthetic construct

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> "Aminolink2" modified with an amino terminus

<400> 23  
gtcaaatcta agtctgtgga a  
1

2

<210> 24  
<211> 19  
<212> DNA  
<213> synthetic construct

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> "Aminolink2" modified with an amino terminus

<400> 24  
atcttctaaa tctgcggaa  
9

1

<210> 25  
<211> 19  
<212> DNA  
<213> synthetic construct

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> "Aminolink2" modified with an amino terminus

<400> 25  
gtctgagaac aggcaaaca  
9

1

<210> 26  
<211> 19  
<212> DNA

<213> synthetic construct

<220>

<221> misc\_feature

<222> (1)..(1)

<223> "Aminolink2" modified with an amino terminus

<400> 26

atgtttgtc acagcgatg

1

9

<210> 27

<211> 29

<212> DNA

<213> synthetic construct

<220>

<221> misc\_feature

<222> (29)..(29)

<223> Sequence is followed by a 3-terminal ribonucleoside uracil

<400> 27

ggtgtggc gccggcggtg tggcaaga

2

9

<210> 28

<211> 15

<212> DNA

<213> synthetic construct

<220>

<221> misc\_feature

<222> (1)..(1)

<223> "Aminolink2" modified with an amino terminus

<400> 28

cacaccgccc gcgcc

1

5

<210> 29

<211> 15

<212> DNA  
<213> synthetic construct  
  
<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> "Aminolink2" modified with an amino terminus

<400> 29  
cacaccgacg gcgcc  
5

1

<210> 30  
<211> 15  
<212> DNA  
<213> synthetic construct  
  
<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> "Aminolink2" modified with an amino terminus

<400> 30  
cacaccgacg gtgcc  
5

1

<210> 31  
<211> 29  
<212> DNA  
<213> synthetic construct  
  
<220>  
<221> misc\_feature  
<222> (29)..(29)  
<223> Sequence is followed by a 3-terminal ribonucleoside uracil

<400> 31  
gggttgtggc gccgtcggtg tgggcaaga  
9

2